

**ARCS Ceilometer Field Calibration Form****I. Calibration information**

This is a (check which):	Calibration	Calibration Check	Field Calibration
			X
Date:	GMT Begin Time:	End Date:	GMT End Time:
9/9/2004	0:23	9/9	0:36
			ARCS #
			3

Instrument / System:	TWP OMS Part Number:	TWP OMS Serial Number:
Ceilometer	CT25K	R0850006

Location (eg. PNNL, Manus):	Participant(s):
Darwin	B. Porch

Reference Instrument(s):	TWP OMS Part Number(s):	TWP OMS Serial Number(s):
Bushnell Range Finder	200400-010578 model 400	
Tape Measure		

**II. Initial Values**

Angle Correction in degrees

0

Sensor/Element:	Reference Distance (m)	Reading	Reference	Reading	Reference	Reading
Ceilometer CT25K	39 m	15 m				

Manus: 331 m to telephone poles about 100 m from trees

235 m to trees, 134 m to ARCS fence, 52 m to ceilometer from fence + 15 m for height

Nauru: 45 m to balloon launch, Darwin 38 m to trees to south.

**III. Final Values**

Darwin 39 m to tree

UNCHANGED:

x

Sensor/Element:	Reference Distance (m)	Reading	Reference	Reading	Reference	Reading

Did you remember to reset ceilometer to angle\_cor "on", port "data", and Message Type 2

**IV. Calibration Change**(if applicable)

Offset (m) [Distance Correction Factor]:

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Document(s) Referenced:

PRO(CEI)-001.001
PRO(CEI)-002.001

Document(s) Updated:

PRO(CEI)-002.004

**PROBLEMS:**

The terminal window in the ceilometer software no longer stores vceil.trm making it necessary to set up communications with the ceilometer each time.

**NOTES:**